



T5000LP

RoHS Complaint Standard

## CLOCK OSCILLATORS

### T5000LP Series Clock Oscillator

#### Low Voltage, Low Profile, SMD

#### Features:

- ◆ Low Voltage
- ◆ Ceramic SMD package
- ◆ Tape and Reel Available
- ◆ Compatible with pick and place
- ◆ HCMOS/ TTL compatible

#### Model: T5000LP Series Specifications

Parameter	Unit		
Center Frequency	MHz	1.0	50
Operating Temperature Range	°C	See Table	
Frequency Stability <sup>(1)</sup>	ppm	See Table	
Supply Voltage	VDC		
Output Voltage	$V_{OH} = 20\% V_{CC} \text{ max.}$	$V_{OL} = 80\% V_{CC} \text{ min.}$	
Load	pF	15 max.	
Voltage	V	0.9, 1.2, 1.5 $\pm 0.1V$	
Supply Current	mA	3 max.	
Transition Times Rise/ Fall Time ( @ 10% - 90% Vcc)	ns	5 max.	
Duty Cycle	%	45/55 std (40/60 opt)	
Tri-State (Input to Pin 1)			
Output Active	$V_{IH}$	0.7 p-p min	
Output In High Impedance State	$V_{IL}$	0.3 p=p max.	
Start Time	mSec	10 max.	
Period Jitter Peak to Peak	pSec	$\pm 100$ max.	
Period Jitter One Sigma	pSec	$\pm 25$ max.	
Phase Jitter (12 kHz to 20 Mhz)	pSec	1 max.	
Aging (@ 25°C)	ppm	$\pm 3$ max.	
Storage Temperature	°C	-55 to 125	

(1) Inclusive of calibration @ 25°C, operating temperature, Input voltage change, load change, shock, and vibration. Tighter stabilities available- contact Factory.

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See T5000 for package drawing  
See T5000 for Table

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